Blood Pressure Simulation Apparatus with Tactile Interface

Gary J. Morris
2026 Glenmark Avenue
Morgantown, WV 26505

ABSTRACT

The blood pressure level in humans is a vital health parameter, yet the vast majority of people do not have a physical feeling for what normal and abnormal blood pressure levels mean in relation to the forces exerted on the heart and blood vessels. A blood pressure simulation apparatus is described which provides human subjects a means to physically feel simulated blood pressure levels through a tactile interface. Both normal and abnormal blood pressure cycles are simulated. Interfacing of the apparatus to an electronic blood pressure monitor is provided.